

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2003073899
PUBLICATION DATE : 12-03-03

APPLICATION DATE : 29-08-01
APPLICATION NUMBER : 2001259345

APPLICANT : NIPPON HYOMEN KAGAKU KK;

INVENTOR : USUI SHIGETAKA;

INT.CL. : C25D 21/14

TITLE : METHOD FOR SUPPLYING ZINC IONS TO PLATING LIQUID

ABSTRACT : PROBLEM TO BE SOLVED: To provide a method for dissolving zinc ions into a plating liquid, in order to keep zinc concentration in the plating liquid constant in an alkaline electrogalvanizing method, when galvanizing an article to be plated.

SOLUTION: This method for supplying the zinc ions to the plating liquid comprises contacting zinc of one or more kinds from the group of metallic zinc or zinc alloys, for dissolution, which is deposited by one or more nobler metallic ions than metallic zinc, with substitution, plating, or the like, with one or more articles for contact or circuit formation, made from the group consisting of one or more kinds of a copper group element, a titanium group element, a carbon group element, a chromium group element, an iron group element, and a platinum group metal, or alloys including them, which are plated with one or more metals nobler or having a lower hydrogen overpotential than zinc, in the zinc-based plating liquid containing an alkali hydroxide of 20-300 g/L, to accelerate a dissolution rate of zinc for the dissolution.

COPYRIGHT: (C)2003,JPO

BEST AVAILABLE COPY